

99. A method, comprising the steps of:

providing an optical disk with a recording layer having a servo track, the servo track

having a clock reference structure;

generating a clock reference signal from the clock reference structure; and

writing data having data fields of indeterminate length on the recording layer based upon

the clock reference signal with sub-bit accuracy.

#### REMARKS

Upon entry of this Amendment, claims 1-99 are pending. Specifically, claims 38-99 are added. It is believed that the foregoing amendments and additions add no new matter to the present application.

#### Support in the Specification for Amended Claims

In accordance with 37 C.F.R. 1.121(b)(2)(iii), below is an explanation supporting each amended claim by providing the location in the specification for at least one supporting statement in the specification for each amended claim. Where appropriate, reference to drawings are also provided. Furthermore, support for each amended claim may also be found elsewhere throughout the specification and the drawings, to which the Examiner is respectfully referred to. Therefore, Applicant believes that the claims as amended do not add new matter.

Claim 38: A statement supporting claim 38 is found in the specification of the issued patent at least in the following place(s):

Claim 1

Abstract

Col. 3, line 66 – Col. 4, line 9

Col. 6, lines 8-12

Col. 6, lines 25-33

Col. 6, lines 59-65

Col. 7, lines 5-22

Col. 13, lines 45-47 and 57-60

Col. 14, lines 43-49 and 54-60

Col. 15, lines 26-39

**Claim 39:** A statement supporting claim 39 is found in the specification of the issued patent at least in the following place(s):

Col. 4, lines 10-26  
Col. 12, lines 1-4

**Claim 40:** A statement supporting claim 40 is found in the specification of the issued patent at least in the following place(s):

Col. 2, line 66 – Col. 3, line 31  
Col. 3, lines 55-65  
Col. 7, lines 23-41

**Claim 41:** A statement supporting claim 41 is found in the specification of the issued patent at least in the following place(s):

Col. 7, lines 11-41

Claim 42: A statement supporting claim 42 is found in the specification of the issued patent at least in the following place(s):

Claims 4, 12, 36  
Col. 7, lines 44-56

**Claim 43:** A statement supporting claim 43 is found in the specification of the issued patent at least in the following place(s):

Fig. 19  
Col. 9, lines 26-33  
Col. 16, lines 34-38

Claim 44: A statement supporting claim 44 is found in the specification of the issued patent at least in the following place(s):

Claims 1, 35  
Col. 3, lines 55-62  
Col. 6, lines 8-13

Claim 45: A statement supporting claim 45 is found in the specification of the issued patent at least in the following place(s):

Claim 9  
Abstract  
Col. 4, lines 10-27  
Col. 10, lines 22-28

Claim 46: A statement supporting claim 46 is found in the specification of the issued patent at least in the following place(s):

Claim 7  
Col. 4, lines 10-18  
Col. 6, lines 25-30

Claim 47: A statement supporting claim 47 is found in the specification of the issued patent at least in the following place(s):

Claims 8, 32, 35  
Col. 14, lines 43-49

Claim 48: A statement supporting claim 48 is found in the specification of the issued patent at least in the following place(s):

Claims 1, 35  
Col. 6, lines 8-13

Claim 49: A statement supporting claim 49 is found in the specification of the issued patent at least in the following place(s):

Col. 11, line 65 – Col. 12, line 4

Claim 50: A statement supporting claim 50 is found in the specification of the issued patent at least in the following place(s):

Claims 1, 10, 24, 34, 35, 36, 37  
Col. 3-4, lines 66-9  
Col. 6, lines 59 – Col. 7, line 10  
Col. 11, line 65 – Col. 12, line 4

Claim 51: A statement supporting claim 51 is found in the specification of the issued patent at least in the following place(s):

Col. 7, lines 23-41

Claim 52: A statement supporting claim 52 is found in the specification of the issued patent at least in the following place(s):

Col. 6, lines 54-58  
Col. 7, lines 11-22

Claim 53: A statement supporting claim 53 is found in the specification of the issued patent at least in the following place(s):

Claims 4, 12, 36  
Col. 7, lines 44-56

Claim 54: A statement supporting claim 54 is found in the specification of the issued patent at least in the following place(s):

Fig. 19  
Col. 9, lines 26-33  
Col. 16, lines 34-38

Claim 55: A statement supporting claim 55 is found in the specification of the issued patent at least in the following place(s):

Claims 1, 35  
Col. 3, lines 55-62  
Col. 6, lines 8-13

Claim 56: A statement supporting claim 56 is found in the specification of the issued patent at least in the following place(s):

Claim 9  
Abstract  
Col. 4, lines 10-27  
Col. 10, lines 22-28

Claim 57: A statement supporting claim 57 is found in the specification of the issued patent at least in the following place(s):

Claims 1, 4, 8, 12, 32, 35, 36  
Abstract  
Col. 3, lines 55-62  
Col. 3, line 66 – Col. 4, line 9  
Col. 6 lines 8-13  
Col. 7, lines 23-56  
Col. 11, line 65 – Col. 12, line 4  
Col. 14, lines 43-49

Claim 58: A statement supporting claim 58 is found in the specification of the issued patent at least in the following place(s):

Claims 1, 4, 8, 10, 12, 24, 32, 35, 36  
Abstract  
Col. 3, lines 55-62  
Col. 3, line 66 – Col. 4, line 9  
Col. 6 lines 8-13  
Col. 6, line 59 – Col. 7, line 10  
Col. 7, lines 23-56  
Col. 11, line 65 – Col. 12, line 4  
Col. 14, lines 43-49

Claim 59: A statement supporting claim 59 is found in the specification of the issued patent at least in the following place(s):

Col. 7, lines 23-41

Claim 60: A statement supporting claim 60 is found in the specification of the issued patent at least in the following place(s):

Claims 1, 35  
Col. 3, lines 55-62  
Col. 6, lines 8-13

Claim 61: A statement supporting claim 61 is found in the specification of the issued patent at least in the following place(s):

Claim 9  
Abstract  
Col. 4, lines 10-27  
Col. 10, lines 22-28

Claim 62: A statement supporting claim 62 is found in the specification of the issued patent at least in the following place(s):

Claims 7  
Col. 4, lines 10-18  
Col. 6, lines 25-30

Claim 63: A statement supporting claim 63 is found in the specification of the issued patent at least in the following place(s):

Claims 8, 32, 35  
Col. 14, lines 43-49

0557036742704

Claim 64: A statement supporting claim 64 is found in the specification of the issued patent at least in the following place(s):

Claims 8, 10, 32, 35  
Col. 14, lines 43-49

Claim 65: A statement supporting claim 65 is found in the specification of the issued patent at least in the following place(s):

Col. 4, lines 10-26  
Col. 12, lines 1-4

Claim 66: A statement supporting claim 66 is found in the specification of the issued patent at least in the following place(s):

Col. 7, lines 23-41

Claim 67: A statement supporting claim 67 is found in the specification of the issued patent at least in the following place(s):

Col. 7, lines 11-41

Claim 68: A statement supporting claim 68 is found in the specification of the issued patent at least in the following place(s):

Claims 4, 12, 36  
Col. 7, lines 44-56

Claim 69: A statement supporting claim 69 is found in the specification of the issued patent at least in the following place(s):

Claims 13, 36  
Col. 17, line 30 – Col. 18, line 31  
Fig. 18

Claim 70: A statement supporting claim 70 is found in the specification of the issued patent at least in the following place(s):

Claim 5  
Fig. 19  
Col. 9, lines 26-33  
Col. 16, lines 34-38

Claim 71: A statement supporting claim 71 is found in the specification of the issued patent at least in the following place(s):

Claims 15, 37  
Col. 15, line 48 – Col. 16, line 23  
Fig. 18

Claim 72: A statement supporting claim 72 is found in the specification of the issued patent at least in the following place(s):

Claims 6, 16  
Col. 9, lines 8-26

Claim 73: A statement supporting claim 73 is found in the specification of the issued patent at least in the following place(s):

Claims 1, 10  
Abstract  
Col. 4, lines 18-26  
Col. 6, line 63 – Col. 7, line 2

Claim 74: A statement supporting claim 74 is found in the specification of the issued patent at least in the following place(s):

Claim 18  
Col. 6, lines 51-56  
Col. 9, lines 8-26

Claim 75: A statement supporting claim 75 is found in the specification of the issued patent at least in the following place(s):

Claims 19, 27  
Figs. 21, 22  
Col. 18, line 37 – Col. 20, line 2

Claim 76: A statement supporting claim 76 is found in the specification of the issued patent at least in the following place(s):

Claims 20, 28  
Col. 11, lines 24-27  
Col. 18, line 37 – Col. 19, line 13

Claim 77: A statement supporting claim 77 is found in the specification of the issued patent at least in the following place(s):

Claims 21, 22, 30  
Col. 11, lines 24 – Col. 12, line 22  
Col. 19, lines 14-59  
Col. 20, lines 3-62

Claim 78: A statement supporting claim 78 is found in the specification of the issued patent at least in the following place(s):

Claims 23, 31  
Col. 19, line 55 – Col. 20, line 2

Claim 79: A statement supporting claim 79 is found in the specification of the issued patent at least in the following place(s):

Claims 1, 35  
Col. 3, lines 55-62  
Col. 6, lines 8-13

Claim 80: A statement supporting claim 80 is found in the specification of the issued patent at least in the following place(s):

Claims 13, 33, 36  
Figs. 18, 19  
Col. 9, lines 26-33  
Col. 15, lines 40-47  
Col. 16, lines 34-38  
Col. 17, line 30 – Col. 18, line 31

Claim 81: A statement supporting claim 81 is found in the specification of the issued patent at least in the following place(s):

Claim 1, 8, 10, 32, 35  
Abstract  
Fig. 15  
Col. 3, line 66 – Col. 4, line 9  
Col. 6, lines 8-13  
Col. 14, lines 43-53

Claim 82: A statement supporting claim 82 is found in the specification of the issued patent at least in the following place(s):

Col. 4, lines 10-26  
Col. 12, lines 1-4

Claim 83: A statement supporting claim 83 is found in the specification of the issued patent at least in the following place(s):

Col. 7, lines 23-41

Claim 84: A statement supporting claim 84 is found in the specification of the issued patent at least in the following place(s):

Col. 7, line 11 – Col. 8, line 6

Claim 85: A statement supporting claim 85 is found in the specification of the issued patent at least in the following place(s):

Claims 4, 12, 36  
Col. 7, lines 44-56

Claim 86: A statement supporting claim 86 is found in the specification of the issued patent at least in the following place(s):

Fig. 19  
Col. 9, lines 26-33  
Col. 16, lines 34-38

Claim 87: A statement supporting claim 87 is found in the specification of the issued patent at least in the following place(s):

Claims 1, 35  
Col. 3, lines 55-62  
Col. 6, lines 8-13

Claim 88: A statement supporting claim 88 is found in the specification of the issued patent at least in the following place(s):

Claim 1, 8, 10, 32, 35  
Abstract  
Fig. 15  
Col. 3, line 66 – Col. 4, line 9  
Col. 6, lines 8-13  
Col. 14, lines 43-53

Claim 89: A statement supporting claim 89 is found in the specification of the issued patent at least in the following place(s):

Col. 4, lines 10-26  
Col. 12, lines 1-4

Claim 90: A statement supporting claim 90 is found in the specification of the issued patent at least in the following place(s):

Col. 7, lines 11-41

Claim 91: A statement supporting claim 91 is found in the specification of the issued patent at least in the following place(s):

Claims 4, 12, 36  
Col. 7, lines 44-56

Claim 92: A statement supporting claim 92 is found in the specification of the issued patent at least in the following place(s):

Fig. 19  
Col. 9, lines 26-33  
Col. 16, lines 34-38

Claim 93: A statement supporting claim 93 is found in the specification of the issued patent at least in the following place(s):

Claims 1, 35  
Col. 3, lines 55-62  
Col. 6, lines 8-13

Claim 94: A statement supporting claim 94 is found in the specification of the issued patent at least in the following place(s):

Claim 7, 8, 32, 35  
Col. 4, lines 10-18  
Col. 6, lines 25-30  
Col. 14, lines 43-49

0957036-72704

Claim 95: A statement supporting claim 95 is found in the specification of the issued patent at least in the following place(s):

Claim 1  
Abstract  
Col. 3, line 66 – Col. 4, line 9  
Col. 6, lines 8-12

Claim 96: A statement supporting claim 96 is found in the specification of the issued patent at least in the following place(s):

Claims 1, 35  
Col. 3, lines 55-62  
Col. 6, lines 8-13

Claim 97: A statement supporting claim 97 is found in the specification of the issued patent at least in the following place(s):

Claims 1, 4, 12, 35, 36  
Col. 3, lines 55-62  
Col. 6, lines 8-13  
Col. 7, lines 44-56

Claim 98: A statement supporting claim 98 is found in the specification of the issued patent at least in the following place(s):

Claims 1, 8, 10, 32, 35  
Abstract  
Fig. 15  
Col. 3, line 66 – Col. 4, line 9  
Col. 3, lines 55-62  
Col. 6, lines 8-13  
Col. 14, lines 43-53

Claim 99: A statement supporting claim 99 is found in the specification of the issued patent at least in the following place(s):

Claim 1, 35

Abstract

Col. 3, lines 55-62

Col. 3, line 66 – Col. 4, line 9

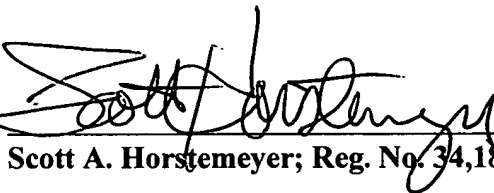
Col. 6, lines 8-13

Favorable action in regard to the application is earnestly solicited.

Respectfully submitted ,

**THOMAS, KAYDEN, HORSTEMEYER  
& RISLEY, L.L.P.**

By:

  
Scott A. Horstemeyer; Reg. No. 34,183

100 Galleria Parkway  
Suite 1750  
Atlanta, Georgia 30339-5948  
(770) 933-9500

03997036-112704